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-	825	707/203.ccls.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2003/05/29 11:17
-	649	707/204.ccls.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2003/05/29 11:18
-	70	(conflict adj resolution) and replica	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2003/05/29 16:03
-	7	((conflict adj resolution) and replica) and @rlad<=19980727	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/09 11:48
-	1	"5926816".PN.	USPAT; US-PGPUB	2003/05/29 11:24
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-	1	"5737601".PN.	USPAT; US-PGPUB	2003/05/29 13:29
-	64	conflict adj resolution adj rule	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2003/05/29 16:03
-	15	(conflict adj resolution adj rule) and @rlad<=19980727	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 09:10
-	0	((conflict adj type) and replica) and @rlad<=19980727	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2003/05/29 16:13
-	13	((conflict adj type) and database) and @rlad<=19980727	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2003/05/29 16:13
-	35	(conflict adj resolution adj rule) and (@rlad<=19980727 or @ad<=19980727)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/09 10:43
-	7	"6275831"	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/09 10:43
-	1	(conflict adj resolution) and (decision adj set)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/09 11:47
-	34	((conflict adj resolution) and replica) and (@rlad<=19980727 @ad<=19980727)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/09 11:49
-	12	((((conflict adj resolution) and replica) and (@rlad<=19980727 @ad<=19980727)) and decision	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/09 12:03
-	7	(resolve adj conflict) and (decision adj set)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/09 12:42
-	1	5,926,816.pn.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/09 13:34

-	1	5475377.pn.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/09 15: 15
-	1	5996001.pn.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/01/09 15: 15
-	0	dynamic adj decision adj set	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 09: 09
-	40	dynamic with (conflict adj resolution)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 09: 10
-	29	(dynamic with (conflict adj resolution)) and (@rlad<=19980727 @ad<=19980727)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 10: 23
-	4	(conflict adj resolution adj setting) and (@rlad<=19980727 @ad<=19980727)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 11: 46
-	6	("5640566" "5649195" "5684984" "5684990" "5689579" "5689705").PN.	USPAT	2004/05/21 10: 26
-	776	(conflict adj resolution) and (@rlad<=19980727 @ad<=19980727)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 14: 25
-	36	((conflict adj resolution) and (@rlad<=19980727 @ad<=19980727)) and dependency) and inconsistency	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 12: 20
-	6	((conflict adj resolution) and (@rlad<=19980727 @ad<=19980727)) and (solution adj procedure)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 12: 20
-	124	((conflict adj resolution) and (@rlad<=19980727 @ad<=19980727)) and dependency	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 12: 37
-	34	((conflict adj resolution) and (@rlad<=19980727 @ad<=19980727)) and dependency and database	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 12: 39
-	34	((conflict adj resolution) and (@rlad<=19980727 @ad<=19980727)) and replica	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 13: 49
-	6	("5737601" "5806075" "5870759" "5870765" "5884325" "5926816").PN.	USPAT	2004/05/21 13: 01
-	8	6058401.URPN.	USPAT	2004/05/21 13: 03
-	78	(resolve adj conflict) and database and replica	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 13: 50
-	24	((resolve adj conflict) and database and replica) and (@rlad<=19980727 @ad<=19980727)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 14: 19
-	22	5613079.URPN.	USPAT	2004/05/21 14: 11
-	167	(eliminat\$ adj inconsistency) and (@rlad<=19980727 @ad<=19980727)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 14: 20
-	10	((eliminat\$ adj inconsistency) and (@rlad<=19980727 @ad<=19980727)) and conflict	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 14: 20
-	363	((conflict adj resolution) and (@rlad<=19980727 @ad<=19980727)) and (database (data adj base))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/21 14: 25
-	0	cookies with (hard adj drive adj ID)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/24 09: 56

-	77	cookies with (hard adj drive)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/24 09:52
-	0	cookies and (hard adj drive adj ID)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/24 09:56
-	7	(hard adj drive adj ID)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/05/24 09:56

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[Experience with Disconnected Operation in a Mobile .. - Satyanarayanan.. \(1993\) \(Correct\) \(84 citations\)](#)
file reference traces, weak connectivity, **conflict resolution**, transactions 1. Introduction Portable
Both mechanisms rely on an optimistic **replica** control strategy. This offers the highest degree
users recover from such conflicts. 3.1. Server **Replication** The first high-availability mechanism,
www.cs.cmu.edu/afs/cs.cmu.edu/project/coda/Web/docdir/mobile93.ps.Z

[Resolving File Conflicts in the Ficus File System - Reiher, Heidemann, Ratner.. \(1994\) \(Correct\) \(37 citations\)](#)
experiences with conflicts and automatic **conflict resolution** in Ficus. It presents data on the
Los Angeles Abstract Ficus is a flexible **replication** facility with optimistic concurrency control
intervention. 1 Introduction The value of file **replication** is widely recognized, but **replication** of
ftp.cs.ucla.edu/pub/ficus/usenix_summer_94_resolver.ps.gz

[Application-Aware Adaptation for Mobile Computing - Satyanarayanan Brian \(1995\) \(Correct\) \(26 citations\)](#)
drops. 3. Example: Application-Specific **Conflict Resolution** A simple instance of this collaborative
Coda File System [2, 3]Coda uses an optimistic **replica** control strategy to allow updates to cached data
A Highly Available File System for a Distributed **Replicated** File System. Workstation Environment. In
www.eecs.umich.edu/~bnoble/papers/dagstuhl94.ps.gz

[Supporting Application-Specific Resolution in an.. - Puneet Kumar.. \(1993\) \(Correct\) \(24 citations\)](#)
application-specific knowledge for **conflict resolution** in an optimistically **replicated** file
Resolution in an Optimistically **Replicated** File System Puneet Kumar &M.
for **conflict resolution** in an optimistically **replicated** file system. Conflicts arise in such systems
www.cs.cmu.edu/afs/cs/project/coda/Web/docdir/wwos4.pdf

[Data Replication in Mariposa - Sidell, Aoki, Barr, Sah, Staelin.. \(1996\) \(Correct\) \(20 citations\)](#)
synchronization. We present a rule-based **conflict resolution** mechanism, which can be used to enhance
Data **Replication** in Mariposa Jeff Sidell, Paul M. Aoki,
extensions to the economic model which support **replica** management, as well as our mechanisms for
epoch.cs.berkeley.edu:8000/personal/aoki/papers/s2k-95-62.ps.gz

[Perspectives on Optimistically Replicated.. - Page, Jr., Guy.. \(1997\) \(Correct\) \(19 citations\)](#)
who resolves it manually. In practice, **conflict resolution** has not been difficult for users, and
1 (DECEMBER 1997) Perspectives on Optimistically **Replicated**, Peer-to-Peer Filing T. W. PAGE, JR.R.
Internet-based use. The premise is that **replication** is essential to deliver performance and
www.cse.ogi.edu/~ashvin/publications/spe.ps

[Improving Data Consistency in Mobile Computing Using.. - Lu, Satyanarayanan \(1995\) \(Correct\) \(16 citations\)](#)
a set of options for automatic and manual **conflict resolution**. In addition, application specific
Disconnected operation based on an optimistic **replica** control strategy has proved to be a viable
which dominated early discussions of optimistic **replication**, are relatively rare and can often be
www.cs.cmu.edu/afs/cs/project/coda/Web/docdir/hotos95-iot.ps.gz

[Bayou: Replicated Database Services for World-wide.. - Petersen, Spreitzer.. \(1996\) \(Correct\) \(11 citations\)](#)
at the same time in order to introduce new **conflict resolution** procedures. 2.4 Adaptability
Bayou: **Replicated** Database Services for World-wide
presents Bayou's mechanisms for permitting the **replicas** of a database to vary dynamically without global
mosquitonet.stanford.edu/sigops96/papers/petersen.ps

[Dynamic Version Vector Maintenance - David Ratner \(1997\) \(Correct\) \(7 citations\)](#)
that incorporate concurrent updates. **Conflict resolution** [5, 8] will resolve the conflict,
and are the main data structure behind optimistic **replication**. Mobile computing, however, places new
version vector. Decreased bandwidth and increased **replication** factors will exacerbate the scaling

<ftp.cs.ucla.edu/tech-report/97-reports/970022.ps.Z>

Peer Replication with Selective Control - Ratner, Popek, Reiher (1996) (Correct) (5 citations)
conflicts after the fact. Once detected, **conflict resolution** must occur before normal file activity on
Peer Replication with Selective Control David Ratner Gerald
Los Angeles Abstract Peer-to-peer optimistic **replication** strategies provide improved functionality
<ftp.cs.ucla.edu/tech-report/96-reports/960031.ps.Z>

Predictive Dynamic Load Balancing of Parallel and Distributed.. - Hasanat Dewan (1994) (Correct) (4 citations)
execution semantics and a programmable **conflict resolution** capability through the use of programmer
among an arbitrary number of rule program **replicas** evaluated at distinct processing sites, and ffl
upon estimates of future workload of each program **replica** and available processing resources. Our
www.cs.columbia.edu/~mauricio/papers/sigmod94.ps

View Consistency for Optimistic Replication - Goel (1996) (Correct) (4 citations)
: 22 3.2 Reconciliation and **Conflict Resolution** :25 3.3
Los Angeles View Consistency for Optimistic **Replication** A thesis submitted in partial satisfaction
: 27 3.4 **Replica** Selection :
<ftp.cs.ucla.edu/tech-report/96-reports/960011.ps.Z>

Improving Data Consistency for Mobile File Access Using.. - Qi Lu (1996) (Correct) (3 citations)
semantics to be smoothly integrated for only **conflict resolution** and consistency validation. The practical
www.cs.cmu.edu/afs/cs.cmu.edu/project/coda/Web/docdir/lu-thesis.ps.gz

Modular Authorization - Wedde, Lischka (2001) (Correct) (2 citations)
or contradicting results, respectively. **Conflict resolution** mechanisms are presented, and examples are
Dragon Slayer system [9] all nodes which store a **replica** of a file (storage node) and the node where the
sphere autonomy. Under such circumstances **replication** (like in the Dragon Slayer system) would be
ls3-www.cs.uni-dortmund.de/Publikationen/.../Publikationen/sacmat2001.pdf

Defining and Measuring Conflicts in Optimistic Replication - Heidemann, Goel, Popek (1995) (Correct) (2 citations)
these conflicting updates, after-the fact **conflict resolution** actions are required to recombine multiple
Defining and Measuring Conflicts in Optimistic **Replication** John Heidemann Ashvin Goel Gerald Popek
report UCLA-CSD-950033 Abstract Optimistic **replication** is often viewed as essential for large scale
<ftp.cs.ucla.edu/tech-report/95-reports/950033.ps.Z>

A Research Status Report on Adaptation for Mobile Data Access - Noble, Satyanarayanan (1995) (Correct) (2 citations)
replication, optimistic **replica** control, **conflict resolution**, and isolation-only transactions, as well
Mellon University. of Coda such as server **replication**, optimistic **replica** control, conflict
of Coda such as server **replication**, optimistic **replica** control, **conflict resolution**, and isolation-only
www-cgi.cs.cmu.edu/afs/cs.cmu.edu/user/bnoble/mosaic/papers/sigmod95.ps.gz

MIRROR: A State-Conscious Concurrency Control Protocol.. - Xiong, Ramamritham.. (1998) (Correct) (1 citation)
protocol with a novel state-based realtime **conflict resolution** mechanism. In this scheme, the choice of
A State-Conscious Concurrency Control Protocol for **Replicated** Real-Time Databases Ming Xiong y Krithi
VA 22903 stankovic@cs.virginia.edu Abstract Data **replication** can help database systems meet the stringent
www-ccs.cs.umass.edu/~krithi/rtdb/mirror.ps

A Multi-version Approach to Conflict Resolution in Distributed.. - Sun, Chen (2000) (Correct) (1 citation)
A Multi-version Approach to **Conflict Resolution** in Distributed Groupware Systems
over the Internet have led us to adopt a **replicated** architecture for the storage of shared
of shared documents: the shared documents are **replicated** at the local storage of each participating
www.cit.gu.edu.au/~scz/papers/icdcs00.ps.Z

Limitations for Inconsistency in Support Layers for Reliable .. - Tor Erlend Faegri (1995) (Correct) (1 citation)
assume that conflicts can be resolved by a **conflict resolution** authority like a reconciliation procedure,
submitted to the ECOOP'95 Workshop on Mobility and **Replication** This position paper addresses some important
respect to the provision of system support for **replication** in distributed object systems. To help
sys192.cs.washington.edu/Related/4d.ps



Terms used **conflict resolution dependency**

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1 [Managing update conflicts in Bayou, a weakly connected replicated storage system](#)

D. B. Terry, M. M. Theimer, Karin Petersen, A. J. Demers, M. J. Spreitzer, C. H. Hauser

December 1995 **ACM SIGOPS Operating Systems Review, Proceedings of the fifteenth ACM symposium on Operating systems principles**, Volume 29 Issue 5

Full text available: [pdf\(1.56 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

2 [Full papers: An instrumentation and control-based approach for distributed application management and adaptation](#)

D. Reilly, A. Taleb-Bendiab, A. Laws, N. Badr

November 2002 **Proceedings of the first workshop on Self-healing systems**

Full text available: [pdf\(86.37 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Distributed applications are notoriously difficult to develop and manage due to their inherent dynamics and heterogeneity of component technologies and network protocols. Middleware technologies dramatically simplify the development of distributed applications, but they still prove difficult to manage at runtime. This paper considers the "on-going" development of a framework that provides instrumentation and control services, which extend core middleware services, to realize the runtime manage...

Keywords: control, dependency management, instrumentation, jini technology, middleware

3 [Client-server computing in mobile environments](#)

Jin Jing, Abdelsalam Sumi Helal, Ahmed Elmagarmid

June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2

Full text available: [pdf\(233.31 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services regardless of their physical location or movement behavior. In the meantime, research addressing information access in mobile environments has proliferated. In this survey, we provide a concrete framework and categorization of the various way ...

Keywords: application adaptation, cache invalidation, caching, client/server, data dissemination, disconnected operation, mobile applications, mobile client/server, mobile computing, mobile data, mobility awareness, survey, system application

4 Parallelism in sequential multiprocessor simulation models: a case study

Hatem Sellami, Sudhakar Yalamanchili

April 1995 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**, Volume 5
Issue 2

Full text available:  pdf(1.56 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#),
[review](#)

The design and analysis of multiprocessor simulation models represents a complex and computationally demanding application that is a candidate for parallel simulation. This paper examines the application of conservative parallel discrete event simulation on a set of existing "real-world" models created over the years with no thought given to the parallel execution. These models are based on a subset of Petri Nets known as Marked graphs. The results of the study ...

Keywords: Petri nets, conservative synchronization, discrete event simulation, marked graphs, parallel architectures, parallel simulation, parallelism, partitioning and mapping

5 Mobile computing within a distributed deductive database

Kathleen Neumann, Martin Maskarinec

April 1997 **Proceedings of the 1997 ACM symposium on Applied computing**

Full text available:  pdf(448.66 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: deductive database, disconnected operation, distributed database, mobile computing

6 Interoperability as a means of articulation work

Carla Simone, Gloria Mark, Dario Giubbilei

March 1999 **ACM SIGSOFT Software Engineering Notes , Proceedings of the international joint conference on Work activities coordination and collaboration**, Volume 24 Issue 2

Full text available:  pdf(1.37 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The interoperability of systems to support cooperative work requires moving beyond purely technical issues; it also concerns the means and practices that users adopt to articulate their cooperative activities. Articulation has to be supported by a technology which focuses on this higher level of interoperability. This claim is motivated by observing the articulation process of users in real cooperative work practice. Based on this study, the functionality for this technology was designed to help ...

Keywords: architectures, awareness, cooperative work, groupware conventions, interoperability

7 Full Technical Papers: MORE for less: model recovery from visual interfaces for multi-device application design

Yves Gaeremynck, Lawrence D. Bergman, Tessa Lau

January 2003 **Proceedings of the 8th international conference on Intelligent user**

interfaces

Full text available:  pdf(307.44 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

An emerging approach to multi-device application development requires developers to build an abstract semantic model that is translated into specific implementations for web browsers, PDAs, voice systems and other user interfaces. Specifying abstract semantics can be difficult for designers accustomed to working with concrete screen-oriented layout. We present an approach to model recovery: inferring semantic models from existing applications, enabling developers to use familiar tools but still ...

Keywords: model recovery, multi-device application development, reverse engineering, rule systems, semantic modeling

8 Groupware: some issues and experiences

Clarence A. Ellis, Simon J. Gibbs, Gail Rein

January 1991 **Communications of the ACM**, Volume 34 Issue 1

Full text available:  pdf(7.22 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

9 Automatic dimensioning in design for manufacturing

David Serrano


May 1991 **Proceedings of the first ACM symposium on Solid modeling foundations and CAD/CAM applications**

Full text available:  pdf(746.09 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

10 Routing algorithm for gate array macro cells

Atreyi Chakraverti, Moon Jung Chung

June 1988 **Proceedings of the 25th ACM/IEEE conference on Design automation**

Full text available:  pdf(625.09 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We will present an efficient dynamic algorithm for routing pre-placed gate array macro-cells. A novel data-structure based on corner stitching is introduced to represent the routing environment in a general gate array, where an uniform grid cannot be superimposed on the basic-cells. The near-optimal routing is accomplished in iterations with an initial shortest-path routing followed by conflict resolution using a coloring procedure and net reordering.

11 Applying WinWin to quality requirements: a case study

Hoh In, Barry Boehm, Thomas Rodgers, Michael Deutsch

July 2001 **Proceedings of the 23rd international conference on Software engineering**

Full text available:  pdf(253.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
 [Publisher Site](#)

This paper describes the application of the WinWin paradigm to identify and resolve conflicts in a series of real-client, student-developer digital library projects. The paper is based on a case study of the statistical analysis of 15 projects and an in-depth analysis of one representative project. These analyses focus on the conflict resolution process, stakeholders' roles and their relationships to quality artifacts, and tool effectiveness. We show that stakeholders tend to accept satisfact ...

Keywords: conflict identification and resolution, requirements engineering, risk, software cost analysis, software quality attributes

12 Doctoral symposia: Holistic framework for establishing interoperability of heterogeneous software development tools and models

Joseph Puett

May 2002 **Proceedings of the 24th international conference on Software engineering**

Full text available:  pdf(216.82 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This research is an initial investigation into the development of a Holistic Framework for Software Engineering (HFSE) that establishes mechanisms by which existing software development tools and models will interoperate. The HFSE captures and uses dependency relationships among heterogeneous software development artifacts, the results of which can be used by software engineers to improve software processes and product integrity.

13 Transactional workflow paradigm: its application to mobile computing

V. K. Murthy

February 1998 **Proceedings of the 1998 ACM symposium on Applied Computing**

Full text available:  pdf(997.50 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: agents, intention-action protocols, mobile transactions, serializability, workflow

14 Designing and implementing asynchronous collaborative applications with Bayou

W. Keith Edwards, Elizabeth D. Mynatt, Karin Petersen, Mike J. Spreitzer, Douglas B. Terry, Marvin M. Theimer

October 1997 **Proceedings of the 10th annual ACM symposium on User interface software and technology**


Full text available:  pdf(1.58 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Bayou, asynchronous interaction, computer-supported cooperative work, distributed systems

15 DAIDA: an environment for evolving information systems

M. Jarke, J. Mylopoulos, J. W. Schmidt, Y. Vassiliou

January 1992 **ACM Transactions on Information Systems (TOIS)**, Volume 10 Issue 1

Full text available:  pdf(3.63 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

We present a framework for the development of information systems based on the premise that the knowledge that influences the development process needs to somehow be captured, represented, and managed if the development process is to be rationalized. Experiences with a prototype environment developed in ESPRIT project DAIDA demonstrate the approach. The project has implemented an environment based on state-of-the-art languages for requirements modeling, design and implementation of informat ...

Keywords: knowledge engineering, mapping assistant, multi-level specification, repository, software information system, software process model

16 An asynchronous rule-based approach for business process automation using obligations

Alan Abrahams, David Eysers, Jean Bacon

October 2002 **Proceedings of the 2002 ACM SIGPLAN workshop on Rule-based programming**

Full text available:  pdf(498.93 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The Edee architecture provides a mechanism for explicitly and uniformly capturing business occurrences, and provisions of contracts, policies, and law. Edee is able to reason about the interactions of intra-, inter-, and extra-organizational policy, and execute business procedures informed by the combined legal effects of these diverse rules. We show through an example how Edee's asynchronous approach, namely to initiate actions only after consulting the database to de ...

Keywords: conflict detection, conflict resolution, contracts, policies

17 Conflict representation and classification in a domain-independent conflict management framework

K. S. Barber, T. H. Liu, A. Goel, C. E. Martin

April 1999 **Proceedings of the third annual conference on Autonomous Agents**

Full text available:  pdf(253.27 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: conflict classification, conflict detection, conflict resolution, multi-agent systems

18 Separating control from structural knowledge in construction expert systems

Andreas Günter, Roman Cunis, Ingo Syska

June 1990 **Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**

Full text available:  pdf(790.08 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In most expert systems for constructional tasks the knowledge base consists of a set of facts or object definitions and a set of rules. These rules contain knowledge about correct or ideal solutions as well as knowledge on how to control the construction process. In this paper we present an approach that avoids this type of rules and thus the disadvantages caused by them. We propose a static knowledge base consisting of a set of object definitions interconnected by is-a and part- ...

19 Use of metaknowledge in the verification of knowledge-based systems

L. J. Morell

June 1988 **Proceedings of the first international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**

Full text available:  pdf(994.79 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

20 Formal verification of pipeline conflicts in RISC processors

Ramayya Kumar, Sofiène Tahar

September 1994 **Proceedings of the conference on European design automation**

Full text available:  pdf(696.24 KB) Additional Information: [full citation](#), [references](#), [index terms](#)